Index of Claims

| Ap | plica | tion/ | Conf | trol | No. |
|----|-------|-------|------|------|-----|
| | | | | | |

10/651,681

Examiner

Ryan Dare

Applicant(s)/Patent under Reexamination

NAGASHIMA ET AL.

Art Unit

2186

| 1 | Rejected |
|---|----------|
| = | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| | |

÷

Restricted

| | N | Non-Elected |
|--|---|--------------|
| | ı | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| Claim Date Tell 19 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | | | • | | | | | | | |
|--|--------------|----------|--------------|--|--|----------|----------|--|-------------------------------------|----------|-------------------------------------|-----|-----|-----|-----------------|
| 1 | Cla | im | | | | | Date | е | | | | [| Cla | im | |
| 2 N N 3 N N 5 N N 5 N N 5 6 N 7 N N 56 7 N 7 N N 56 7 N 57 8 N 8 N N 60 11 61 61 61 61 62 2 63 14 0 64 15 0 65 16 0 66 17 0 67 18 0 69 20 0 70 21 0 70 21 0 71 22 0 70 21 0 71 22 0 72 23 0 73 24 0 74 25 0 76 27 <t< td=""><td>Final</td><td>Original</td><td>8/25/05</td><td>1/5/06</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | Final | Original | 8/25/05 | 1/5/06 | | | | | | | | | | | |
| 2 N N 3 N N 5 N N 5 N N 5 6 N 7 N N 56 7 N 7 N N 56 7 N 57 8 N 8 N N 60 11 61 61 61 61 62 2 63 14 0 64 15 0 65 16 0 66 17 0 67 18 0 69 20 0 70 21 0 70 21 0 71 22 0 70 21 0 71 22 0 72 23 0 73 24 0 74 25 0 76 27 <t< td=""><td><u> </u></td><td>1</td><td>1</td><td>1</td><td></td><td>Г</td><td></td><td></td><td>\vdash</td><td></td><td></td><td></td><td></td><td>51</td><td></td></t<> | <u> </u> | 1 | 1 | 1 | | Г | | | \vdash | | | | | 51 | |
| 4 √ √ 5 √ √ 6 √ √ 7 √ √ 8 √ √ 59 59 10 √ √ 60 61 11 61 61 62 13 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 34 34 84 35 85 36 86 37 87 <td< td=""><td></td><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>52</td><td></td></td<> | | 2 | | | | | | | | | | | | 52 | |
| 5 \lambda \lambd | | | | | | | | | | | | | | 53 | |
| 6 V V 7 V V 8 V V 10 V C 60 C 11 C 12 C 13 C 14 C 15 C 16 C 17 C 18 C 19 C 20 C 21 C 22 C 23 C 24 C 25 C 26 C 27 C 28 C 29 C 30 C 31 C 32 C 33 C 34 C 35 C 36 C 37 C 38 C 39 C 30 C 31 C 32 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>L</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>54</td> <td>_</td> | | | | | | | | L | | | | | | 54 | _ |
| 7 √ √ 8 √ √ 9 - - 10 √ √ 60 - 61 11 - 62 13 - 63 14 - 64 15 - 65 16 - 66 17 - 68 19 - 68 19 - 69 20 - 70 21 - 71 22 - 72 23 - 73 24 - 74 25 - 75 26 - 76 27 - 77 28 - 79 30 80 31 81 32 82 33 83 34 84 35 86 37 88 39 90 <t< td=""><td></td><td></td><td></td><td></td><td>L</td><td></td><td></td><td></td><td><u> </u></td><td></td><td></td><td>ļ</td><td></td><td>55</td><td>_</td></t<> | | | | | L | | | | <u> </u> | | | ļ | | 55 | _ |
| 8 \(\) \(\) \(\) 58 9 - - 10 \(\) \(\) 60 11 62 13 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 30 31 81 32 82 33 83 34 84 35 86 37 88 39 90 41 91 42 92 43 94 45 96 47 97 48 99 99 | | | | | | | | | <u> </u> | | | | | | _ |
| 9 - 10 √ 11 60 60 61 61 62 13 63 14 64 15 65 16 66 17 66 18 68 19 69 20 70 21 71 22 73 24 74 25 75 26 76 27 78 29 79 30 80 31 81 32 82 33 83 34 84 35 86 37 87 38 86 37 87 38 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 | | | | | ļ | | | | <u> </u> | | _ | | | 57 | \dashv |
| 10 √ √ 60 61 11 62 63 63 64 65 65 66 67 65 66 67 67 67 68 69 69 69 69 69 69 70 71 72 73 74 72 73 74 75 76 77 78 79 78 79 30 80 31 31 31 31 32 33 34 84 35 85 36 37 38 83 34 84 35 85 36 37 38 89 40 90 90 91 44 94 94 44 94 94 94 94 94 94 98 99 | | | - | - | | <u> </u> | _ | _ | <u> </u> | | | 1 | | 50 | \dashv |
| 11 61 12 62 13 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96 47 97 48 98 49 99 | <u> </u> | | | | <u> </u> | | | - | ├ | | - | | | 59 | |
| 12 62 13 63 14 64 15 65 16 67 18 68 19 69 20 70 21 71 22 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 35 36 84 37 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 99 99 | | | ľ | ┡ | ⊢ | - | | - | - | _ | H | | | | \dashv |
| 13 63 14 65 15 65 16 66 17 68 19 69 20 70 21 71 22 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 86 37 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 99 | | | ├─ | - | ┝┈ | | | - | ┝ | | | | | 62 | \dashv |
| 14 64 15 65 16 66 17 68 19 68 20 70 21 71 22 73 24 74 25 75 26 76 27 77 28 78 29 78 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 | \vdash | 13 | - | | ┢ | | | \vdash | _ | _ | \vdash | | | 63 | \dashv |
| 15 65 16 66 17 68 19 68 20 70 21 71 22 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 86 37 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 99 | - | | 一 | \vdash | \vdash | | | | | _ | | | - | 64 | \dashv |
| 16 66 17 66 18 68 19 70 21 71 22 72 23 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 86 37 88 39 89 40 90 41 92 43 94 45 96 47 97 48 99 49 99 | | 15 | <u> </u> | | | | | | | | | | | 65 | \neg |
| 17 18 67 18 68 19 70 21 71 22 72 23 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 99 49 99 | 1 | 16 | _ | | | \vdash | | | | | | | | 66 | |
| 19 69 20 70 21 71 22 73 24 74 25 75 26 77 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 49 99 | | 17 | | | | Г | | | | | | | | 67 | |
| 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 99 | | 18 | | | | | | | | | | | | 68 | |
| 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 99 | | | | | | | | | | | | | | | |
| 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 86 37 87 38 86 37 87 38 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 99 | | | | | | | | | | | | | | | \sqcup |
| 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 86 37 87 38 86 39 89 40 90 41 91 42 92 43 94 45 96 47 97 48 99 99 | | 21 | | | | | | | _ | <u> </u> | | - 1 | | 71 | \dashv |
| 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 93 44 94 45 96 47 97 48 99 99 | | | | _ | | <u> </u> | _ | | Ļ | _ | | | | | \dashv |
| 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 88 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 99 99 | <u> </u> | | <u> </u> | <u> </u> | | <u> </u> | _ | <u> </u> | <u> </u> | L | | | | 73 | \vdash |
| 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 87 38 87 38 89 40 90 41 91 42 92 43 94 44 94 45 95 46 96 47 97 48 99 | <u> </u> | 24 | | | L | 1 | <u> </u> | <u> </u> | ⊢ | | | | | 75 | \vdash |
| 27 77 28 79 30 80 31 81 32 83 33 84 35 85 36 86 37 88 39 88 40 90 41 91 42 92 43 94 45 95 46 96 47 98 49 99 | | 25 | ┝ | <u> </u> | ├ | | - | ⊢ | ├- | | _ | | | | |
| 28 78 29 79 30 80 31 81 32 83 33 84 35 85 36 86 37 88 39 88 40 90 41 91 42 92 43 94 45 95 46 96 47 97 48 99 49 99 | ├─ | 27 | ├ | \vdash | ├ | \vdash | \vdash | ┢ | ⊢ | ├- | | | | | \dashv |
| 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 88 39 88 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 99 99 99 | | | ┝ | - | - | | | ┢ | ┢ | | \vdash | | | | \dashv |
| 30 80 31 81 32 83 33 83 34 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 98 49 99 | | 29 | ┝ | \vdash | \vdash | - | \vdash | ┰ | - | \vdash | _ | | | | - |
| 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 86 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 99 49 99 | | 30 | \vdash | - | | | <u> </u> | | \vdash | \vdash | | | | 80 | |
| 32 82 33 83 34 84 35 85 36 86 37 87 38 87 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | ✝ | T | ┢ | Г | - | | | | | | | | T |
| 33 83 34 84 35 85 36 86 37 88 38 87 38 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 99 49 99 | | | Г | | | | Г | Π | | | | | | 82 | |
| 35 85 36 86 37 88 38 88 39 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 33 | | | | | Ī | | | | | | | | |
| 36 86 37 87 38 88 39 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 34 | | | | | | | | | | | | 84 | |
| 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 35 | | | | | | | | L | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | _ | | Ш |
| 38 88 39 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | L | | | | L | L | | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L_ | <u> </u> | | | | |
| 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u> </u> | 37 | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | ļ | ļ | <u> </u> | _ | | | | \square |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | ļ | | | | <u> </u> | <u> </u> | _ | ऻ_ | \vdash | <u> </u> | ⊢ | | | | |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u> </u> | 4.5 | ₩- | - | ├- | \vdash | \vdash | \vdash | - | \vdash | ├- | | | | \vdash |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | <u> </u> | | ├ | ⊢ | | ├ | \vdash | \vdash | ⊢ | ├ | \vdash | | | | \vdash |
| 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | \vdash | \vdash | \vdash | \vdash | - | \vdash | - | \vdash | \vdash | | | | \vdash |
| 44 94 45 95 46 96 47 97 48 98 49 99 | \vdash | | \vdash | ╁ | - | ╁ | | | \vdash | \vdash | \vdash | | | 93 | |
| 45 95 96 96 47 97 48 98 99 99 | | | T | \vdash | \vdash | \vdash | \vdash | \vdash | T | | 一 | | | | \vdash |
| 46 96 97 48 98 99 | | | T | T | Т | T | \vdash | | T | T | \vdash | | | | $\vdash \vdash$ |
| 47 97 98 99 99 | | | Г | Г | Г | Π | | t | | Γ | | | | | |
| 49 99 | | 47 | | | Γ | | | | | | L | | | | |
| | | | | | | | | | | | | | | | |
| 50 | | | 匚 | | | L | | | \Box | L | \Box | | | | Ш |
| | | 50 | | | Ĺ | 1 | | L | | L | <u>L</u> . | | | 100 | LJ |

| Cla | aim | Г | | | | Date | | | | _ |
|--|----------|--------------|-------------------|--|----------------|--|--------------|----------------|-----------------|--------------|
| | | 7 | | | | \Box | | | | |
| Final | Original | | | | | | | | | |
| | 51 52 | | | | | | | | | _ |
| <u></u> | 52 | Ш | ш | Ш | Ш | Ш | Ш | Ш | Ш | |
| <u> </u> | 53 | \vdash | H | \vdash | $\vdash\vdash$ | \vdash | \vdash | $\vdash\vdash$ | $\vdash \vdash$ | |
| | 54 55 | \sqcup | - | Щ | $\vdash\vdash$ | $\vdash \vdash$ | \vdash | \vdash | $\vdash\vdash$ | _ |
| | 55 | \vdash | \vdash | $\vdash \vdash$ | \vdash | \vdash | \vdash | Н | \vdash | |
| | 56 57 | | \vdash | \vdash | \vdash | Н | \vdash | \vdash | \vdash | |
| \vdash | 58 | \vdash | | Н | - | \vdash | Н | \vdash | | |
| - | 59 | \vdash | - | \vdash | \vdash | \vdash | Н | \vdash | \vdash | |
| | 60 | H | H | \vdash | Н | H | H | H | | |
| | 61 | H | П | Н | | \vdash | | | \Box | |
| - | 62 | | | | | | | | | |
| | 62 63 | | | | | | | | | |
| | 64 | | | | | | | | | |
| | 65 66 | | | | Ш | | Ш | Ц | Ш | <u> </u> |
| | 66 | | \Box | | Щ | Ш | | Ц | Ш | Ĺ |
| | 67 | | \sqcup | Щ | Щ | Ш | Щ | Ц | \sqcup | ļ |
| | 68 | <u> </u> | \sqcup | | \vdash | \sqcup | Щ | Н | \vdash | <u> </u> |
| <u> </u> | 69 | \vdash | \vdash | \vdash | | \vdash | | | | <u> </u> |
| . | 70 71 | \vdash | \vdash | \vdash | \vdash | - | H | \vdash | H | - |
| | 72 | ₩ | \vdash | | \vdash | \vdash | | | \vdash | - |
| | 73 | ╁ | \vdash | \vdash | \vdash | \vdash | Н | \vdash | \vdash | |
| | 74 | \vdash | \vdash | \vdash | H | | \vdash | - | H | Т |
| | 75 | \vdash | \vdash | \vdash | \vdash | H | Н | Н | H | |
| | 76 | | | | | | | | | |
| | 76 77 | | | | | | | | | |
| | 78 | | | | | | | | | Ē. |
| | 79 | | | | | | | | | |
| | 80 | | _ | | \sqcup | \bigsqcup | | | Ш | <u> </u> |
| | 81 82 | igspace | $ldsymbol{f eta}$ | igspace | \sqcup | \sqcup | <u> </u> | Ш | Ш | ļ |
| <u> </u> | 82 | | | \vdash | \vdash | ├ ─ | <u> </u> | H | \sqcup | ļ |
| | 84 | ╀ | ⊢ | ├─ | \vdash | \vdash | \vdash | \vdash | H | |
| - | 85 | \vdash | ├ | \vdash | \vdash | ├ ─┤ | ⊢ | | \vdash | |
| - | 86 | \vdash | ╁ | H | \vdash | \vdash | \vdash | - | \vdash | \vdash |
| | 87 | \vdash | H | H | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash |
| | 88 | ╁ | Ι_ | | | | | | | |
| | 89 | | 匚 | | | | | | | |
| | 90 | | 匚 | | | | | | | |
| | 91 | <u>L</u> | L | <u> </u> | | Щ | L | <u> </u> | | L |
| | 92 | ┞ | ↓ | Щ | ╙ | | igspace | <u> </u> | Ш | _ |
| | 93 | ⊬ | ├- | \vdash | ⊢ | | | - | \vdash | <u> </u> |
| - | 94 95 | ├ | ⊢ | - | ⊬ | ├ | ⊢ | ├ | ├─ | \vdash |
| - | 96 | ╁ | ╁ | | ├- | ⊢ | ┼ | ⊢ | ⊢ | \vdash |
| - | 97 | - | \vdash | \vdash | \vdash | \vdash | - | ┝ | - | \vdash |
| | 98 | +- | \vdash | | | \vdash | 一 | \vdash | | |
| | 99 | \vdash | | \vdash | \vdash | | 乚 | Τ_ | ✝ | |
| \vdash | + | + | - | ┰ | - | | ╁ | - | | |

| Cla | aim | | | | Ċ | Date | • | | | |
|----------|--|----------------|--------------|----------|----------------|--------------|--|----------|--|-----------------|
| | | | | | | | | | | |
| Final | Original | | | | | | | | | |
| ij | řiğ | | | | | | | | | |
| | | | | | | | | | | |
| | 101 | | | | | | | | | |
| | 102 | | | | | | | | | |
| | 103 | | | | | | | | | |
| | 101 102 103 104 105 | Ш | _ | | | | | | | _ |
| | 105 | Ш | | | | | | | | \square |
| | 106 | | | | _ | | | | | \dashv |
| | 107 | | | | | _ | _ | | | _ |
| | 108 | _ | | | | _ | _ | | Ш | |
| | 109 | - | _ | | _ | <u> </u> | | | _ | _ |
| | 110 | H | _ | Н | _ | _ | ⊢ | _ | | - |
| | 106 107 108 109 110 111 112 113 | - | _ | | \vdash | \vdash | | - | | _ |
| | 112 | \vdash | \vdash | - | \vdash | ├— | \vdash | \vdash | \vdash | \vdash |
| | 114 | \vdash | - | \vdash | \vdash | \vdash | \vdash | \vdash | | \vdash |
| | 115 | \vdash | - | _ | | - | \vdash | - | _ | H |
| | 114 115 116 | | - | \vdash | | \vdash | | - | | Н |
| | 117 | - | | | _ | \vdash | | \vdash | _ | H |
| | 118 | \vdash | _ | _ | _ | | | \vdash | | П |
| | 119 | | | | | | | | | \neg |
| - | 120 | | | | | | Г | | | |
| | 121 | | | | | | | | | |
| | 122 | | | | | | | | | |
| | 123 | | | | | | | | | |
| | 117 118 119 120 121 122 123 124 125 126 127 128 129 130 | | | | | | | | L | |
| | 125 | | L | _ | L_ | | L | | | Ц |
| | 126 | | | _ | _ | _ | | | | Щ |
| | 127 | _ | _ | <u> </u> | ļ | _ | _ | | | Н |
| | 128 | ļ | _ | <u> </u> | - | ├- | ⊢ | <u> </u> | - | Н |
| _ | 129 | | | - | - | | - | | | H |
| | 130 | - | ┝ | ├- | - | - | | \vdash | H | Н |
| _ | 132 | \vdash | | ⊢ | - | ⊢ | - | | - | Н |
| <u> </u> | 133 | ⊢ | ├ | ┢ | ┢ | - | | | - | Н |
| | 133 134 135 | | | - | \vdash | ┢ | \vdash | 一 | \vdash | Н |
| | 135 | ╁ | | | \vdash | Т | _ | | <u> </u> | Н |
| | 136 137 138 139 | 一 | - | 1 | ┢ | Г | | | | П |
| | 137 | Г | | | <u> </u> | | | | Г | |
| | 138 | Γ | | | | | | | | |
| | 139 | | | | | | | | | |
| | 140 | | | | | Ĺ | | Ĺ | | Ш |
| | 141 | | | <u> </u> | | | <u> </u> | | | Ш |
| | 142 | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | Ш |
| | 143 | \vdash | _ | <u> </u> | _ | _ | <u> </u> | ₩ | — | $\vdash \vdash$ |
| | 144 | - | <u> </u> | \vdash | <u> </u> | \vdash | \vdash | <u> </u> | - | \vdash |
| L | 145 | ├ | | \vdash | — | ├ | | ⊢- | | $\vdash \vdash$ |
| <u> </u> | 146 | ⊢ | - | - | | - | ├- | \vdash | - | ⊢┤ |
| | 147 | - | - | ⊢ | | ╁ | ┢ | ╁ | - | $\vdash\vdash$ |
| <u> </u> | 148 149 | ┢ | \vdash | +- | ⊢ | \vdash | +- | \vdash | - | Н |
| | 150 | \vdash | \vdash | \vdash | - | ├ | | \vdash | | H |
| L | 150 | <u> </u> | Щ. | L | 1 | | <u> —</u> | Ь | Щ | |